## Amendments to the Specification:

Please replace paragraph [0002] with the following amended paragraph:

[0002] As indicated in claim 1 below, the invention has the technical task of meeting the requirements of the engine for a variable valve control in a way that is better than that of the previous state of the art. These requirements are characterized by the design of the individual valve lift characteristics, producible system of valve lift characteristics (curves), the magnitude of mechanical losses caused by friction in the drive of the valves, and by the simplicity of the structural construction of the valve drive and the associated adjustment mechanism.

Please replace paragraph [0005] with the following amended paragraph:

[0005] This task is resolved by means of the features (indicated in claim 1) of a drive for a variable actuation of the charge-cycle valves in reciprocating piston engines.

Please replace paragraph [0009] with the following amended paragraph:

[0009] Patent claim 2 describes In a further aspect of the invention there is described the advantageous arrangement of the cam joint (za) between the intermediate element (Z) and the output element (A); in this design, the contour (Kzar1, Kzas1), which determines the curve, is mounted exclusively on the intermediate element (Z). The cam joint (za) on the output element (A) is formed by a rotation body (RA) (See Figures 2 and 3). This allows the cam joint to put the contact components into rolling motion, and the tangential motion is shifted to the mounting of the rotary roller (RA). In order to reduce friction in this cam joint, we use known materials and lubricating systems in the plain bearing; a small friction radius also reduces the friction in this cam joint. The invented design also creates the possibility of using a roller bearing in this contact point. In this manner, the tangential motion is performed completely by means of rolling motion. Thus, in this cam joint (za), no sliding occurs and the friction is further reduced.

Please replace paragraph [0010] with the following amended paragraph:

[0010] Patent claims 3 and 4 describe an advantageous design of the drive in this patent A design of the drive is present in one embodiment that serves the purpose of changing the valve lift curve.

Claim 3 describes There is shown in Figures 2 and 3 the mounting of the turning joint (zg) between the intermediate element (Z) and the housing (G), in which – to allow for the changing of the valve lift curve - the turning joint (zg) is positioned, in a changeable manner, in an eccentric element in the housing (G). During the valve stop, the eccentric center point is identical with the center point of the rotation body (RA) mounted on the output element (A). Thus, the turning of the eccentric element causes a shift (Vzg1) in the position of the turning joint (zg) along the circular arc KbVZ (See Figures 2 and 3).

Claim 4 describes Further shown is a mounting of the turning joint (ag) between the output element (A) and the housing (G), in which – to allow for the changing of the valve lift curve the turning joint (ag) can be positioned, in a changeable manner, in an eccentric element in the housing (G). The eccentric center point is identical with the center point of the turning joint (zg) between the intermediate element (Z) and the housing (G). The turning of the eccentric element causes a shift (Vag1) in the position of the turning joint (ag) along the circular arc KbVA1 (See Figures 2 and 3).

[[The]] This design of the drive, as described in claims 3 and 4, allows for the achievement of a change in the valve lift curve without the production of any play between the drive elements. This feature is required so that, among other reasons, the engine may run quietly at high speeds.

Please replace paragraph [0011] with the following amended paragraph:

[0011] Claim 5 describes Also described is an advantageous design of the intermediate element (Z) as a toggle lever, in which the force direction in the cam joint (za) between the intermediate element (Z) and the output element (A) is essentially oriented against the force direction in the cam joint (zn) between the intermediate element (Z) and the cam (N). (See Figure 2). This embodiment has the advantage of using a low height for the drive and thus the cylinder head.

Please replace paragraph [0012] with the following amended paragraph:

[0012] Claim 6 describes the An advantageous design of the intermediate element (Z) as a cam follower, is one in which the force direction in the cam joint (za) between the intermediate element (Z) and the output element (A) is essentially oriented as the force direction in the cam joint (zn) between the intermediate element (Z) and the cam (N). (See Figure 3). This embodiment has the advantage of allowing for the conduction of the force from the cam (N) to the valve (V) directly. This embodiment reduces the forces acting in the drive, and thus it achieves a greater degree of firmness in the drive and, at the same time, reduces friction.

Please replace paragraph [0013] with the following amended paragraph: [0013] Claim 7 describes another Another advantageous design of a drive is disclosed allowing for a variable actuation of the charge-cycle valves in reciprocating piston engines. The drive consists of a housing (G), a cam (N), an intermediate element (Z), and an output element (A). The cam (N) is mounted in the housing (G), for example, in the cylinder head, in a turning joint (ng) and in a manner that allows rotation, and - through a cam joint (zn) actuates the intermediate element (Z), which is mounted in a turning joint (zg) in the housing (G). Furthermore, the intermediate element (Z) is effectively connected with the output element (A) by a cam joint (za). This cam joint (za) comprises, at the output element (A), a section (Kazr1) that forms a stop notch, and a control section (Kazr1). The section (Kazr1), which forms the stop notch, is formed by a circular arc, whose center point is identical with the center of rotation of the turning joint (zg) between the intermediate element (Z) and the housing (G). The output element (A) is mounted in a turning joint (ag) in the housing (G), and it transmits the motion to at least one valve (V). In order to change the valve lift characteristics, the invention proposes to change the position of the cam joint (za) by means of a shift (Vag2) in the position of the turning joint (ag). The change in the position of the cam joint (za) is reflected, in the area of the valve stop notch, by a shift (Vaz) of the cam joint (za) along the section (Kzarl) of the contour of the output element (A) that forms the stop notch. Therefore, the direction of the shift (Vag2) of the turning joint (ag) is the direction of the tangent (vt) in the cam joint (za) during the valve stop. Thus, the shift (Vag2) of the turning joint (ag) occurs along the circular arc around the turning joint (zg) (See Figure 4).

In this manner, a change in the valve lift curve is achieved without producing any play between the drive elements. This feature is required so that, among other reasons, the engine may run quietly at high speeds.

Please replace paragraph [0014] with the following amended paragraph:

[0014] Claim 8 describes Shown in Figure 4 is an advantageous design of the cam joint (za) between the intermediate element (Z) and the output element (A), in which the contour (Kazr1, Kazs1), which determines the curve, is mounted exclusively on the output element (A). The cam joint (za) on the intermediate element (Z) is formed by a rotation body (RZ) (See Figure 4). This design feature allows the cam joint to put the contact components into rolling motion, and the tangential motion is shifted to the mounting of the rotary roller (RZ). In order to reduce friction in this cam joint, we use known materials and lubricating systems in the plain bearing; a small friction radius also contributes to the reduction of friction in this cam joint. The invented design also creates the possibility of using a roller bearing in this contact point. In this manner, the tangential motion is performed completely by rolling motion. Thus, in this cam joint, (za) no sliding occurs and the friction is further reduced.

Please replace paragraph [0015] with the following amended paragraph:

[0015] In the case of a change in the position of the turning joint (ag) between the output element (A) and the housing (G), as is proposed by claims 6 and 8, in the cam joint (av) between the output element (A) and the valve (V), motion is transferred from the output element (A) to the valve (V). Since this would result in the opening of the valve or in the production of an impermissible degree of valve play, such a transmission of motion at a given degree of valve play and in the design of the speed characteristics in the area of the valve play must take into consideration that the valve's starting speed and the valve closing speed are held within permissible limits, or this motion transmission must be compensated by a valve play-compensating element. In either of these two cases, it is advantageous for this motion transmission to be as small as possible. Claim 9 describes Further shown in Figure 4 is an advantageous design of the output element (A) and its position in relation to the valve (V) and the center of rotation in such a manner that the cam joint (av) that lies between the output element (A) and the valve (V) is essentially designed, at its side of the output element, as a circular arc (KbV), whose center lies on a straight line (gV) on which there also lies the

center of rotation of the turning joint (zg) that sits between the intermediate element (Z) and the housing (G), and which essentially runs parallel to the valve motion (See Figure 4).

[0016] Claim 10 describes Disclosed herein is an advantageous arrangement of the drive elements, in which the suction valves (VE1) and the exhaust valves (VA1) of a cylinder are driven only by a single camshaft (WEA1). The suction valve (VE1) of a cylinder is actuated

Please replace paragraph [0016] with the following amended paragraph:

through a cam (NE1), an intermediate element (ZE1), and an output element (AE1), and the

exhaust valve (VA1) of this cylinder is actuated through a cam (NA1), an intermediate element (ZA1), and an output element (AA1). The two cams (NE1, NA1) are mounted on a

camshaft (WEA1) (See Figure 5).

Claim 11 describes another advantageous design of the above described drive. A specific arrangement of the intermediate elements (ZE2, ZA2) with a cam joint (zne, zna) in relation to the cam enables all the valves (VE2, VA2) of a cylinder to be driven by a single cam (NEA), which is mounted on a camshaft (WEA2). The phase angle between the lift curve of the exhaust valve (VA2) and the lift curve of the suction valve (VE2) is the equal to the angle between the perpendiculars in the cam joints (zne, zna) between the cams (NEA) and the two intermediate elements (ZE2, ZA2) during the valve stop (See Figure 6). The design of the drive, as described in claims 10 and 11, reduces the number of the drive elements per engine, and in this manner the total cost is reduced.

Please replace paragraph [0018] with the following amended paragraph:

[0018] Claim 12 describes an An advantageous embodiment of the drive as designed by the invention, in which is wherein the cam joint (za) between the intermediate element (Z) and the output element (A) lies in the same plane in which the camshaft (W) stands perpendicularly, and in which there also lies the cam joint (zn) between the intermediate element (Z) and the cam (N) (See Figures 1 to 3). Such a design achieves, by means of a direct transmission of force, as great a degree of firmness of the drive as possible.

Please replace paragraph [0019] with the following amended paragraph:

[0019] Claim 13 describes With reference to Figure 7 there is shown an advantageous embodiment of the drive, in which the cam joint (za) between the intermediate element (Z1)

and the output element (A1) does not lie in the same plane in which the camshaft (W1) stands perpendicularly, and in which there also lies the cam joint (zn) between the intermediate element (Z1) and the cam (N1) (See Figure 7). Such a design allows for the optimal use of the available construction space.

Please replace paragraph [0020] with the following amended paragraph:

[0020] Claim 14 describes Figure 8 illustrates an advantageous design of the drive, in which two or more valves (Vi) of a cylinder are actuated by one cam (N2) through a single intermediate element (Z2) and one or more output elements (Ai) (See Figure 8). In this manner, the number of drive elements per engine is reduced, which reduces the total cost. Furthermore, the construction cost of the adjustment device is reduced and the space required for construction is smaller.

Please replace paragraph [0021] with the following amended paragraph:

[0021] In the arrangement of the drive, as designed by the invention, the position of the intermediate element (Z) during the valve stop, i.e., when the valve is closed and is not moving, is kinematically not uniquely determined. The use of a spring, which acts on the intermediate element (Z) and is mounted, for example, on the housing (G), can generate a moment (MF) that ensures contact between the intermediate element (Z) and the cam (N) in the cam joint (zn) (Figure 1 to 3, and following).

Claim 15 describes In an advantageous design variant of a drive, in which the intermediate element (Z) is pressed, by a spring, towards a cam (N) of the camshaft (W). If a spring is mounted on the intermediate element (Z) in this manner, the design of the spring can be such that it essentially controls the rotating mass of the intermediate element (Z) and the valve springs then need only to control the moving mass of the valve (V) and the output element (A), because, with regard to their effect, the two springs are oriented in the same direction. In this manner, the forces in the joints of the drive remain small and the stress in the joints is as small as possible. In addition, in this manner, friction is advantageously reduced.

Please replace paragraph [0022] with the following amended paragraph:

[0022] Claim 16 describes Figure 9 illustrates a drive, as designed by the invention, in which at least one more drive element (GG) is introduced into the system in order to transmit

the motion from the cam (N3) of the camshaft (W3) to the intermediate element (Z3) (See Figure 9). In this design form, the drive can be used for the camshaft installed either in a low or high position. Such arrangements of the camshafts create the advantage of an especially simple engine construction that requires little construction space.